

1. (currently amended) A method for permitting a client to access a database system on a server via an Internet connection, comprising:

providing middleware communicating with the client and server;

the middleware including at least one file;

the file having at least one parameterized database system query language (SQL) statement;

in response to a client request for data including values and specified methods but not an SQL query, accessing the file; and

using the parameterized statement to return data satisfying the request to the client.

2. (cancelled).

3. (currently amended) The method of Claim [2]1, wherein the data satisfying the request is sent via Hypertext Transfer Protocol (HTTP) in Extensible Markup Language (XML).

4. (original) The method of Claim 1, wherein the parameterized statement facilitates a query for data.

5. (original) The method of Claim 1, wherein the parameterized statement facilitates an update to the database system.

6. (currently amended) The method of Claim [2]1, wherein the parameterized statement facilitates an SQL stored procedure call.

7. (original) The method of Claim 1, wherein the client request is one of the following: a SOAP request, an HTTP GET request, or an HTTP POST request.

8. (original) The method of Claim 1, wherein the middleware further comprises:
at least one router receiving the client request; and
the router including at least one servlet.

9. (original) The method of Claim 8, wherein the servlet replaces at least some parameters in the parameterized statement with corresponding values from the client request to establish a fully qualified SQL statement.

10. (original) The method of Claim 9, wherein the servlet sends the SQL statement to the database system for execution thereof.

11. (original) The method of Claim 10, wherein the database system generates a response to the SQL statement and the method further comprises:
sending the response to the client.

12. (original) The method of Claim 11, further comprising the act of:
converting the response to XML.

13. (original) The method of Claim 8, wherein the servlet generates documentation and a test page in HTML at least partially based on the client request.

14. (original) The method of Claim 8, wherein the servlet generates a service description (WSDL file) at least partially based on the client request.

15. (original) The method of Claim 8, wherein the servlet incorporates a document access definition (DAD) at least partially based on the client request.

16. (original) The method of Claim 8, wherein the servlet generates Extensible Markup Language Schema data (XSD) at least partially based on the client request.

17. (currently amended) A computer system, comprising:
at least one client transmitting a client request including values but not a fully qualified SQL statement;
at least one middleware accessible to the client;
at least one file accessible to the middleware and containing at least one parameterized statement; and

at least one database system accessible to the middleware, wherein the middleware replaces at least some parameters in the parameterized statement with corresponding values from the client to establish a fully qualified SQL statement for execution thereof by the database system.

18, 19. (canceled).

20. (currently amended) The system of Claim [19]17, wherein:
the middleware sends the SQL statement to the database system for execution thereof.

21. (original) The system of Claim 20, wherein:
the database system generates a response to the SQL statement and the response is returned to the client.

22. (currently amended) The system of Claim [18]17, wherein the client request is one of the following: a SOAP request, an HTTP GET request, or an HTTP POST request.

23. (original) The system of Claim [18]17, wherein:
the middleware generates documentation and a test page in HTML at least partially based on the client request.

24. (original) The system of Claim [18]17, wherein:
the middleware generates a service description (WSDL file) at least partially based on the client request.

25. (original) The system of Claim [18]17, wherein:
the middleware servlet incorporates a document access definition (DAD) at least partially based on the client request.

26. (original) The system of Claim [18]17, wherein:
the middleware generates Extensible Markup Language Schema data (XSD) at least partially based on the client request.

27. (original) A method for permitting a client to access a database system on a server via a wide area network, comprising:

providing a file between the client and database system, the file having at least one parameterized SQL statement;

replacing at least some parameters in the parameterized statement with corresponding values from the client request to establish a fully qualified SQL statement;

sending the SQL statement to the database system for execution thereof;

at the database system, generating a response to the SQL statement;

converting the response to XML if necessary; and

sending the response to the client.

28. (currently amended) A computer program device, comprising:

a computer readable means having logic means for facilitating data communication between a client and a database at a server, comprising:

logic means for receiving at least one client request for data from the client, the client request including desired values but not constituting a fully qualified SQL statement;

logic means for accessing a file having at least one parameterized SQL statement at least partially based on the client request;

means for replacing at least one parameter in the parameterized SQL statement with at least one value from the client to establish a fully qualified SQL statement; and

logic means for returning a response to the client ~~in XML~~ at least partially based on the parameterized SQL statement.

29. (original) The computer program device of Claim 28, wherein the client request is one of the following: a SOAP request, an HTTP GET request, or an HTTP POST request.

30. (original) The computer program device of Claim 29, wherein the computer readable means further comprises:

logic means for generating documentation or a test page in HTML at least partially based on the client request.

31. (original) The computer program device of Claim 29, wherein the computer readable means further comprises:

logic means for generating a service description (WSDL file) at least partially based on the parameterized SQL statement.

32. (original) The computer program device of Claim 29, wherein the computer readable means further comprises:

logic means for incorporating a DAD file at least partially based on the client request.